



Norman H. Bangarter  
Governor

Dee C. Hansen  
Executive Director

Dianne R. Nielson, Ph.D.  
Division Director

# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

August 12, 1991

Mr. Ted McDougal  
Bureau of Land Management  
San Juan Resource Area  
P. O. Box 7  
Monticello, Utah 84535

Dear Mr. McDougal:

Re: Permit Transfer and Surety for Radium King Mine, Atlas Minerals, M/037/007,  
San Juan County, Utah

Please find enclosed a location map and surety estimate for the Radium King mine. The Division is in the process of transferring the mine from Atlas Minerals to B & W Construction Company.

The new surety was estimated at \$13,000 in 1990 dollars. This may not meet current BLM requirements. Please advise us. We will need BLM concurrence with the amount of surety before we are able to complete the transfer.

The site is located in Sections 10, 11 and 12, T37S, R15E, of San Juan County.

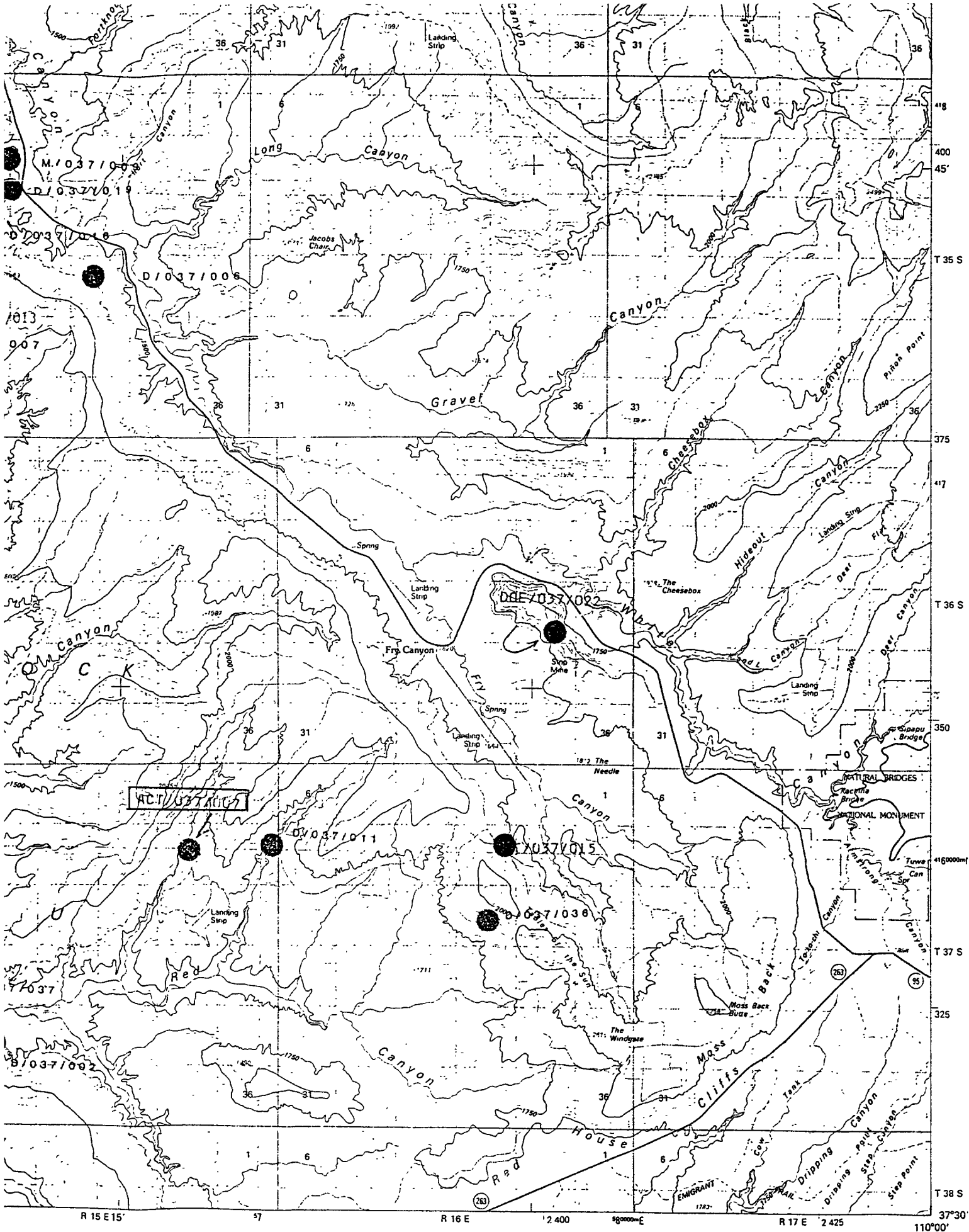
Thank you for your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read 'Holland Shepherd'.

Holland Shepherd  
Senior Reclamation Specialist

jb  
Enclosures  
M037007.2



HITE CROSSING, UTAH  
N3730-W11000/30x60

1980

# Reclamation Estimate for the Williams King Mine M/037/007

Prepared By  
Utah State Division of Oil, Gas and Mining  
January 18, 1990

| Description  | Quantity | Unit        | \$/Unit | Total Cost (\$) |
|--|----------|-------------|---------|-----------------|
| <b>Facilities Reclamation</b>                                  |          |             |         |                 |
| Backfill and Seal Portals                                      | 4        | Each Portal | 300     | \$1,200         |
| Remove Trash   | 4        | Acres       | 100     | \$400           |
| Grade for Uniformity   | 4        | Acres       | 400     | \$1,600         |
| Revegetate   | 4        | Acres       | 447     | \$1,790         |
| Subtotal   |          |             |         | \$4,990         |
| <b>Completed Partial Reclamation (b)</b>                       |          |             |         |                 |
| Revegetate   | 14       | Acres       | 447     | \$6,260         |
| Totals   |          |             |         | \$11,250        |
| Add Contingency (10%)  |          |             |         | \$1,130         |
| TOTAL RECLAMATION COST (1990 Dollars)                          |          |             |         | \$12,380        |
| TOTAL RECLAMATION COST (1992 Dollars) @ 1.93% Annual Inflation |          |             |         | \$13,000        |

Note: (b) Most of the area (14 acres) was reclaimed during 1988. The surety is estimated through 1992 (3 growing seasons).

| Revegetation Cost per Acre          | Quantity | Unit   | \$/Unit | Total Cost (\$) |
|-------------------------------------|----------|--------|---------|-----------------|
| <b>Bare Costs</b>                   |          |        |         |                 |
| Fertilizer (18-46-0)                | 100      | Pounds | 0.25    | 25              |
| Seed Mix                            | 20       | Pounds | 9       | 180             |
| Native Hay Mulch                    | 2        | Tons   | 50      | 100             |
| Subtotal                            |          |        |         | 305             |
| <b>Application Costs</b>            |          |        |         |                 |
| Native Hay Mulch (spread by hand)   | 3.0      | Hours  | 24      | 72              |
| Native Hay Mulch (disc into ground) | 0.3      | Hours  | 67      | 23              |
| Fertilizer (broadcast by hand)      | 0.5      | Hours  | 24      | 12              |
| Seed Mix (drilled)                  | 0.5      | Hours  | 24      | 12              |
| Scarify (tractor with chain)        | 0.3      | Hours  | 67      | 23              |
| Subtotal                            |          |        |         | 142             |
| Total Revegetation Cost per Acre    |          |        |         | 447 REVEG       |